

## SEARCH REQUEST FORM

Scientific and Technical Information Center

Requester's Full Name: Sin J. Lee Examiner #: 76060 Date: 8-27-2003  
 Art Unit: 1752 Phone Number 30 5-0504 Serial Number: 10/026,120  
 Mail Box and Bldg/Room Location: 9B05 Results Format Preferred (circle): PAPER DISK E-MAIL.

If more than one search is submitted, please prioritize searches in order of need.

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Please provide a detailed statement of the search topic, and describe as specifically as possible the subject matter to be searched. Include the elected species or structures, keywords, synonyms, acronyms, and registry numbers, and combine with the concept or utility of the invention. Define any terms that may have a special meaning. Give examples or relevant citations, authors, etc, if known. Please attach a copy of the cover sheet, pertinent claims, and abstract.

Title of Invention: Positive resist compositions containing non-polymeric Silicon

Inventors (please provide full names): Li, Wenjie; Varanasi, Pushkara Rao; additives  
Kwong, Raneer

Earliest Priority Filing Date: 12-21-2001

\*For Sequence Searches Only\* Please include all pertinent information (parent, child, divisional, or issued patent numbers) along with the appropriate serial number.

photoresist composition comprising the  
 (or resist) following compound.



## STAFF USE ONLY

## Type of Search

## Vendors and cost where applicable

Searcher: EL NA Sequence (#) \_\_\_\_\_ STN \$100.00  
 Searcher Phone #: \_\_\_\_\_ AA Sequence (#) \_\_\_\_\_ Dialog \_\_\_\_\_  
 Searcher Location \_\_\_\_\_ Structure (#) (1) Questel/Orbit \_\_\_\_\_  
 Date Searcher Picked Up: \_\_\_\_\_ Bibliographic \_\_\_\_\_ Dr. Link \_\_\_\_\_  
 Date Completed 8-28-03 Litigation \_\_\_\_\_ Lexis/Nexis \_\_\_\_\_  
 Searcher Prep & Review Time 5 Fulltext \_\_\_\_\_ Sequence Systems \_\_\_\_\_  
 Clerical Prep Time \_\_\_\_\_ Patent Family \_\_\_\_\_ WWW/Internet \_\_\_\_\_  
 Online Time: 20 Other \_\_\_\_\_ Other (specify) \_\_\_\_\_

=> file reg

FILE 'REGISTRY' ENTERED AT 13:55:11 ON 28 AUG 2003  
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.  
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.  
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FILE 'REGISTRY' ENTERED AT 13:05:41 ON 28 AUG 2003

E C18H38O4SI2/MF

L1 72 S E3

L2 16 S L1 AND TRIMETHYL?

FILE 'HCAPLUS' ENTERED AT 13:12:05 ON 28 AUG 2003

L3 207761 S LI ?/AU

L4 0 S VARANAI ?/AU

L5 48841 S RAO ?/AU

L6 1554 S KWONG ?/AU

L7 402 S VARANASI ?/AU

L8 0 S L3 AND L5 AND L6 AND L7

L9 4 S L3 AND L7 AND L6

SEL L9 1-4 RN

FILE 'REGISTRY' ENTERED AT 13:14:21 ON 28 AUG 2003

L10 7 S E1-E7

E C21H42O6SI3/MF

L11 2 S E3

L12 1 S L10 AND L11

FILE 'ZCAPLUS' ENTERED AT 13:19:50 ON 28 AUG 2003

L13 1 S L12

FILE 'CAOLD' ENTERED AT 13:20:54 ON 28 AUG 2003

L14 0 S L13

FILE 'REGISTRY' ENTERED AT 13:21:02 ON 28 AUG 2003

E METHANOL, (TRIMETHYLSILYL) -/CN

L15 1 S E3

FILE 'LREGISTRY' ENTERED AT 13:24:29 ON 28 AUG 2003

E C10H18O4/MF

L16 24 S E3

L17 0 S L16 AND DIACID#

L18 11 S L16 AND NO RSD/FA

FILE 'REGISTRY' ENTERED AT 13:31:05 ON 28 AUG 2003

L19 986 S L18

L20 0 S L19 AND DIACID?

L21 818 S L19 AND ACID#/CNS

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      FILE 'REGISTRY' ENTERED AT 13:50:58 ON 28 AUG 2003
L23          0 S L22
L24          0 S L22 FUL

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FILE 'REGISTRY' ENTERED AT 13:55:11 ON 28 AUG 2003

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=> d 124 que stat
L22 STR
```

	21			23				25			27			29
	Ak			G4				G4			Ak			O
		2			5			7			10			!
Ak	Si	G1	G2	C	G1	C	G3	G1	Si	Ak			O	C
1		3	4		6		8	9		11			@14	@15
	Ak			G4				G4			Ak			
	22			24				26			28			

```

REP  G1=(1-5)  CH2
VAR  G2=14-3  15-5/14-5  15-3
VAR  G3=14-9  15-7/14-7  15-9
VAR  G4=ME/ET/N-PR/I-PR/N-BU/I-PR/S-BU/T-BU

```

NODE ATTRIBUTES:

CONNECT	IS	E1	RC	AT	1
CONNECT	IS	E1	RC	AT	11
CONNECT	IS	E1	RC	AT	21
CONNECT	IS	E1	RC	AT	22
CONNECT	IS	E1	RC	AT	27
CONNECT	IS	E1	RC	AT	28

DEFAULT MLEVEL IS ATOM

GGCAT	IS	SAT	AT	1
GGCAT	IS	SAT	AT	11
GGCAT	IS	SAT	AT	21
GGCAT	IS	SAT	AT	22
GGCAT	IS	SAT	AT	27
GGCAT	IS	SAT	AT	28

DEFAULT ECLEVEL IS LIMITED

ECOUNT	IS	M1-X4	C	AT	1
ECOUNT	IS	M1-X4	C	AT	11
ECOUNT	IS	M1-X4	C	AT	21
ECOUNT	IS	M1-X4	C	AT	22
ECOUNT	IS	M1-X4	C	AT	27
ECOUNT	IS	M1-X4	C	AT	28

GRAPH ATTRIBUTES:

RING(S) ARE ISOLATED OR EMBEDDED  
NUMBER OF NODES IS 22

STEREO ATTRIBUTES: NONE

Lee 10/026,120

Page 3

L24 0 SEA FILE=REGISTRY SSS FUL L22

100.0% PROCESSED 34772 ITERATIONS  
SEARCH TIME: 00.00.02

0 ANSWERS

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(FILE 'HOME' ENTERED AT 17:00:44 ON 28 AUG 2003)

FILE 'REGISTRY' ENTERED AT 17:00:59 ON 28 AUG 2003

ACT FACIDS/A

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L1 STR  
 L2 STR  
 L3 STR  
 L4 STR  
 L5 SCR 1312 OR 1700  
 L6 SCR 1943  
 L7 SCR 1838 OR 1992 OR 2016 OR 2021 OR 2026 OR 1929 OR 2043  
 L8 SCR 2010  
 L9 SCR 963  
 L10 ( 33474) SEA FILE=REGISTRY SSS FUL (L1 OR L2 OR L3 OR L4) AND L5 A  
 L11 14698 SEA FILE=REGISTRY SUB=L10 SSS FUL L1 OR L2  
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FILE 'LREGISTRY' ENTERED AT 17:02:07 ON 28 AUG 2003

L12 STR

FILE 'REGISTRY' ENTERED AT 17:04:18 ON 28 AUG 2003

L13 0 S L12 SSS SAM SUB=L11  
 L14 2 S L12 SSS FUL SUB=L11  
 E METHANOL, (TRIMETHYLSILYL-)/CN  
 E METHANOL, (TRIMETHYLSILYL-)/CN  
 L15 1 S E3  
 E C10H16CL2O2/MF  
 L16 128 S E3  
 L17 37888 S ?HEXANEDIOIC?/CNS  
 L18 317001 S TETRAMETHYL?  
 L19 0 S L16 AND L17  
 L20 3 S L16 AND L18  
 E HEXANEDIOYL DICHLORIDE, 2,2,5,5-TETRAMETHYL-/CN  
 L21 1 S E3  
 L22 3 S L14 OR L21

FILE 'ZCAPLUS' ENTERED AT 17:13:49 ON 28 AUG 2003

L23 25 S L22  
 L24 123 S L15  
 L25 0 S L23 AND L24

